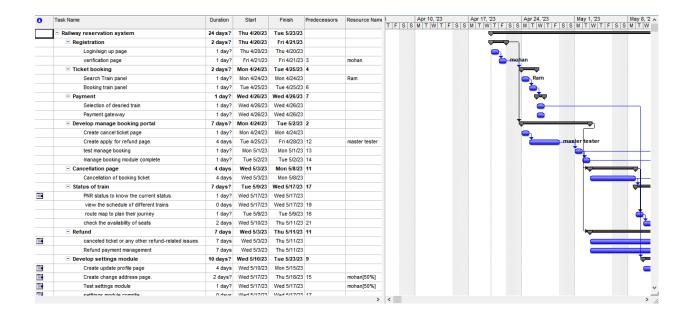
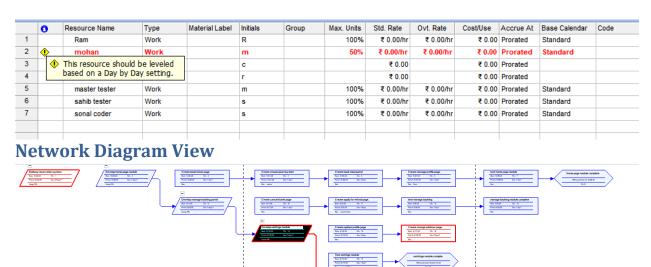
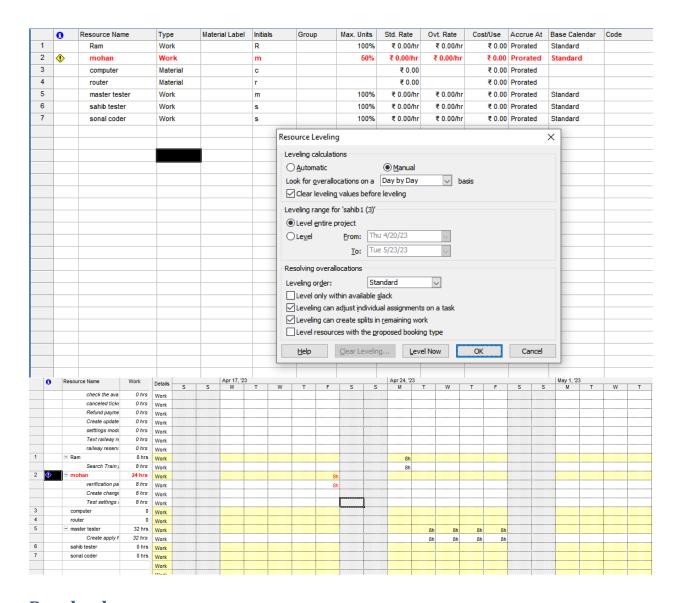
Q1) By taking 12 activities and resources for online railway system represent connection from gantt chart to resource sheet, network diagram view, critical path representation and for each activity related indentation and customize calendar for resources as per the consideration.



Resource Sheet View



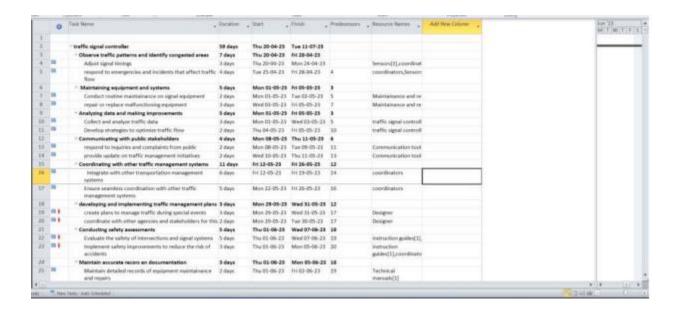


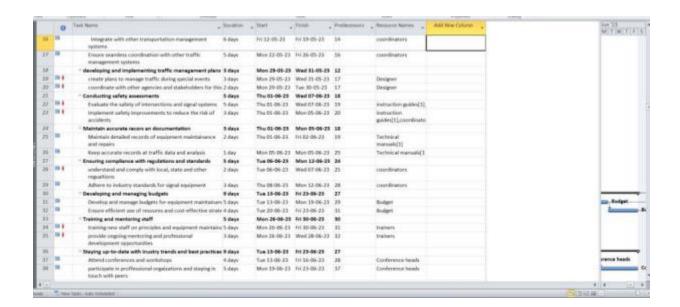
Resolved

After resolving overallocation

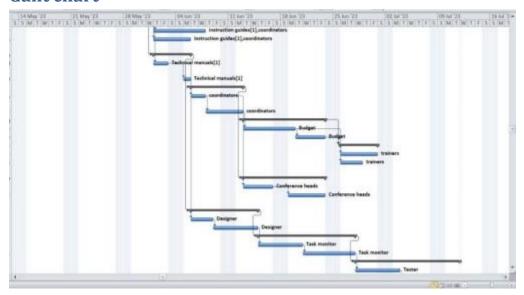
	0	Resource Name	Туре	Material Label	Initials	Group	Max. Units	Std. Rate	Ovt. Rate	Cost/Use	Accrue At	Base Calendar	Code
1		Ram	Work		R		100%	₹ 0.00/hr	₹ 0.00/hr	₹ 0.00	Prorated	Standard	
2		mohan	Work		m		50%	₹ 0.00/hr	₹ 0.00/hr	₹ 0.00	Prorated	Standard	
3		computer	Material		С			₹ 0.00		₹ 0.00	Prorated		
4		router	Material		г			₹ 0.00		₹ 0.00	Prorated		
5		master tester	Work		m		100%	₹ 0.00/hr	₹ 0.00/hr	₹ 0.00	Prorated	Standard	
6		sahib tester	Work		s		100%	₹ 0.00/hr	₹ 0.00/hr	₹ 0.00	Prorated	Standard	
7		sonal coder	Work		s		100%	₹ 0.00/hr	₹ 0.00/hr	₹ 0.00	Prorated	Standard	

Q2) By taking 15 resources and activities represent overallocation and under allocation scenario in which critical path is also represented for traffic signal controller. resolve the overallocation and under allocation by any two techniques and mention it in the file.

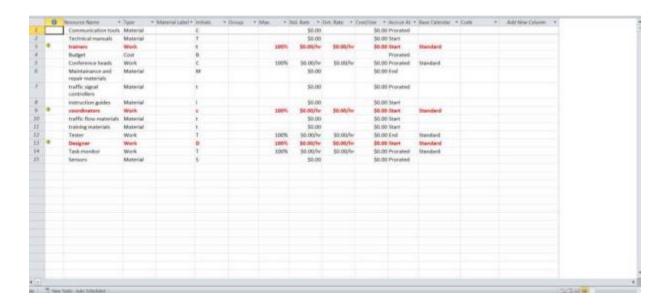




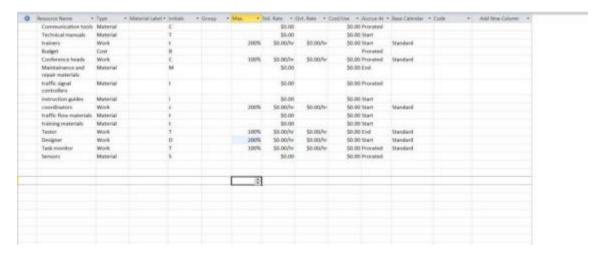
Gant chart



Use level all resources or increase max. Units . With both of them this problem will be resolved. There are also other ways like increasing resources etc...

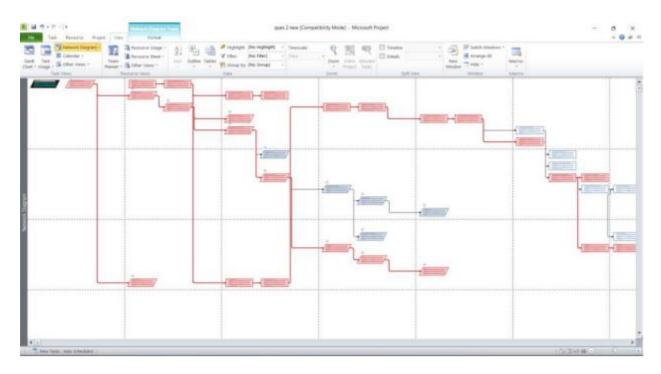


Leveling with increasing max.units:



Network diagram

All the red part represent critical path



Resources Underallocation:

Oppostite to overallocation is Resources Underallocation

- the available capacity of resources are not allocated properly

Ways to resolve them:

- 1. Add more task duration
- 2. Reduce number of resources and use them as per need